

II. AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method for recycling used and manufacturing scrap asphalt shingle material comprising the steps of:

- a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- c. heating the aggregate-asphalt mixture;
- d. extruding the heated ground mixture;
- e. providing a mold of a desired shape;
- f. loading the mold with extruded mixture; and
- g. compressing the mixture in the mold to create a shaped product.

2. (Original) The method of claim 1 further comprising the step of introducing granular surface treatment in said mold prior to said compressing step.

3. (Previously Presented) The method of claim 1 further comprising the step of introducing a plastic liner in said mold prior to said loading step.

4. (Previously Presented) A method for recycling used and manufacturing scrap asphalt shingle material comprising the steps of:

- a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- c. controlling the ratio of aggregate to asphalt in the mixture to between 30% to 70% by weight;
- d. heating the aggregate-asphalt mixture to a temperature of between approximately 200 to 300 degrees Fahrenheit;
- e. extruding the heated ground mixture to approximate cross-section of a desired shaped part; and
- f. die-cutting a shaped part from the extruded mixture.

5. (Previously Presented) A method for recycling used and manufacturing scrap asphalt shingle material comprising the steps of:

- a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- c. heating the aggregate-asphalt mixture;
- d. extruding the heated ground mixture;
- e. forming a desired shaped part from the extruded mixture;
- f. softening an exposed surface of the shaped part; and
- g. embedding a surface treatment material to said softened surface.

6. (Previously Presented) The method of claim 5 in which said softening step includes raising the temperature of said surface to approximately 275 degrees F prior to said embedding step.

7. (Previously Presented) The method of claim 6 in which said raising step includes one of (i) providing a surface heating element and passing said surface proximate thereto, and (ii) immersing said surface into an environment having an elevated temperature.

8. (Previously Presented) The method of claim 5 in which said surface treatment material includes one of (i) a surface texture material, and (ii) a coloring material.

9. (Previously Presented) The method of claim 5 in which said embedding step includes one of the steps of:

a. passing said softened surface under compression rolls to embed surface textured material; and

b. heating said surface treatment material and spraying said heated material onto the softened surface with heated compressed air.

10. (Currently Amended) Apparatus for recycling used and manufacturing scrap asphalt shingle material comprising:

a material staging station having an inlet to receive shingle material and having an outlet;
a grinder having an inlet to receive shingle material from the staging station and having an outlet to discharge ground shingle material, the grinding further having a heating element for raising the temperature of the shingle material therein prior to discharge of the material;
an extruder having an inlet to receive heated ground material from the grinder and an outlet to provide[[d]] extruded ground material therefrom; and
one of a die cutting station and a molding station associated with the outlet of the extruder for receiving the extruded material, said one being operative to produce a shaped product therefrom.

11. (Previously Presented) The method as defined in claim 1 in which said grinding and heating steps are accomplished simultaneously.

12. (Previously Presented) The method as defined in claim 1 further comprising the step of controlling the aggregate to asphalt ratio in the mixture to between approximately 30% to 70% by weight.

13. (Previously Presented) The method as defined in claim 2 in which said granular surface treatment includes granular iron oxide colorant.

14. (Previously Presented) The method as defined in claim 2 in which said granular surface treatment is introduced into the mold dispersed in an asphalt-aggregate premix.

15. (Previously Presented) The method as defined in claim 4 in which said controlling step is accomplished in said providing step.

16. (Previously Presented) The method as defined in claim 4 in which said controlling step includes adding aggregate to the mixture.

17. (Previously Presented) The apparatus as defined in claim 10 further comprising a preheater having an inlet to receive shingle material from the material staging station and having an outlet to supply preheated shingle material to the grinder.

18. (Previously Presented) The apparatus as defined in claim 10 further comprising a material conveyer operatively associating the extruder outlet and said one station to convey material from the extruder to said one station.